

Complete Listing Of The Claims In This Application

Claims 1-36 (cancelled).

37. (New) A system for fabricating a mold for producing a pressure intensifying device for use in consolidation fabrication wherein at least two cured structures are bound together using an uncured preform configured to an angular shape of a bound area between said cured structures, said system comprising:

a computer having an output and adapted to generate a virtual representation of a device for intensifying pressure, said computer further adapted to design said virtual representation to have a first contour with a first radius corresponding to said bound area and having a second contour with a second radius cooperable with said first radius for delivering a pressure to said preform which is greater than pressure delivered to said second contour, wherein said virtual representation is expressed in a data file;

a rapid prototyping apparatus having a data input for receiving said data file and operable to fabricate a three dimensional object having an inner cavity indicative of said virtually represented pressure intensifying device responsive to receiving said data file.

38. (New) The system of Claim 37, wherein said rapid prototyping apparatus is further operable for fabricating said three dimensional object in at least two separate portions which are joinable to form said inner cavity.

39. (New) The system of Claim 38, wherein rapid prototyping apparatus is further operable for fabricating said joinable portions with sealable mating edges.

40. (New) The system of Claim 37, wherein said rapid prototyping apparatus includes a stereolithography apparatus.

41. (New) The system of Claim 37, wherein said computer is operably configured to execute a CAD program.